

(a) providing at least 500 reaction vessels organized into at least first and second sub-arrays;

(b) adding reactants to each of the reaction vessels in a manner such that, when reacted, the reactants form the compounds of the sub-arrays in the array, wherein each reaction vessel contains substantially only one compound and such that the compounds composing each sub-array differ from one another by one change in a structural diversity element; and

(c) concurrently reacting the contents of the reaction vessels under appropriate solution-phase conditions in one or more cycles to form all compounds of the sub-arrays in the array.

11. (Five Times Amended) A method of making a spatially-addressable combinatorial array of at least 500 compounds in solution in multiple cycles, said method comprising the steps of:

(a) apportioning into a plurality of reaction vessels that are identifiable by their spatial addresses (i) a first plurality of reactants, each reactant comprising a same first reactive group and a different first structural diversity element such that the reactants composing the first plurality differ from one another, with one first reactant per reaction vessel; and (ii) a second reactant comprising a second reactive group and a second structural diversity element, with one second reactant per reaction vessel; and

(b) concurrently reacting said first and second reactants in each of the plurality of reaction vessels under solution phase conditions wherein the first and second reactive groups react with one another by an addition reaction to form a compound; and

(c) repeating steps (a) and (b), thus forming the combinatorial array of at least 500 different compounds in solution;

wherein each reaction vessel contains substantially only one compound,
wherein each compound composing the combinatorial array comprises a same common linear, branched, or cyclic molecular core comprising at least three atoms of carbon, nitrogen, oxygen, phosphorus or sulfur having the first and second structural diversity elements attached thereto, and further wherein the compounds composing the array differ from one another by at least one change in a structural diversity element.

2. (Currently Amended) The host terminal ~~emulator~~emulation program according to claim 1, wherein said GUI screen data is corrected to delete said GUI parts when the coordinate at which said first attribute is set represents the upper left corner of the screen.

3. (Currently Amended) A host terminal ~~emulator~~emulation program that operates a client computer, ~~which is connected to a monitor~~ being connected to the client computer for displaying ~~various kinds of~~ screens and to a communication control unit being connected to the client computer for transmitting/receiving data to/from a host computer, said ~~emulator~~ comprising emulation program causing the client computer to perform the steps of:

detecting a coordinate at which a predetermined first attribute is set from coordinates, characters and attributes in CUI character user interface (CUI) screen data generated in said host computer when said communication control unit receives CUI screen data from said host computer;

generating GUIgraphical user interface (GUI) screen data in which GUI parts corresponding to said first attribute are set at respective coordinates following the coordinate at which said first attribute is set;

detecting a coordinate at which a second attribute corresponding to said first attribute is set from coordinates in said CUI screen data;

correcting the GUI screen data in response with reference to the coordinate at which said second attribute is set when a coordinate at which said second attribute is detected; and

displaying a screen based on the corrected GUI screen data on said monitor.

4. (Currently Amended) The host terminal emulator-emulation program according to claim 3, wherein said GUI screen data is corrected to transform said GUI parts when a coordinate at which said second attribute is detected and ~~the~~ a line including the coordinate at which said second attribute is set is separated three or more lines from the line including the coordinate at which the first attribute is set.

5. (Currently Amended) A host terminal emulator-emulation program that operates a client computer, ~~which is connected to a monitor~~ being connected to the client computer for displaying ~~various kinds of~~ screens, and to a communication control unit being connected to the client computer for transmitting/receiving data to/from a host computer, said emulator comprising an emulation program causing the client computer to perform the steps of:

detecting a coordinate at which a predetermined first attribute is set from coordinates, characters and attributes in CUI character user interface (CUI) screen data generated in said host computer when said communication control unit receives CUI screen data from said host computer;

generating GUigraphical user interface (GUI) screen data in which GUI parts corresponding to said first attribute are set at respective coordinates following the detected coordinate;

detecting a coordinate at which a second attribute corresponding to said first attribute is set from coordinates in said CUI screen data;

correcting the GUI screen data to transform said GUI parts when a coordinate at which said second attribute is not detected; and

displaying a screen based on the corrected GUI screen data on said monitor.

6. (Currently Amended) A host terminal emulatingemulation method running on a client computer that transmits/receives data to/from a host computer, said emulation method comprising steps of:

detecting a coordinate at which a predetermined first attribute is set from coordinates, characters and attributes in CUIcharacter user interface (CUI) screen data generated in said host computer when CUI screen data is received from said host computer;

generating GUI screen data in which GUigraphical user interface (GUI) parts corresponding to said first attribute are set at respective coordinates following the detected coordinate;

correcting said GUI screen data in response with reference to the coordinate at which said first attribute is set; and

displaying a screen based on the corrected GUI screen data on a monitor.

7. (Currently Amended) A host terminal ~~emulating~~emulation method running on a client computer that transmits/receives data to/from a host computer, said emulation method comprising steps of:

detecting a coordinate at which a predetermined first attribute is set from coordinates, characters and attributes in ~~CUI~~character user interface (CUI) screen data generated in said host computer when CUI screen data is received from said host computer;

generating graphical user interface (GUI) ~~CUI~~ screen data in which GUI parts corresponding to said first attribute are set at respective coordinates following the coordinate at which said first attribute is set;

detecting a coordinate at which a second attribute corresponding to said first attribute is set from coordinates in said CUI screen data;

correcting the GUI screen data ~~in response with reference~~ to the coordinate at which said second attribute is set when a coordinate at which said second attribute is detected; and

displaying a screen based on the corrected GUI screen data on a monitor.

8. (Currently Amended) A host terminal ~~emulating~~emulation method running on a client computer that transmits/receives data to/from a host computer, said method comprising steps of:

detecting a coordinate at which a predetermined first attribute is set from coordinates, ~~characters and attributes~~ in ~~CUI~~character user interface (CUI) screen data generated in said host computer when CUI screen data is received from said host computer;

generating ~~GUI~~graphical user interface (GUI) screen data in which GUI parts corresponding to said first attribute are set at respective coordinates following the coordinate at which said first attribute is set;

detecting a coordinate at which a second attribute corresponding to said first attribute is set from coordinates in said CUI screen data;

correcting the GUI screen data to transform said GUI parts when a coordinate at which said second attribute is not detected; and

displaying a screen based on the corrected GUI screen data on a monitor.

9. (Currently Amended) A computer-readable medium that contains a host terminal ~~emulator~~emulation program that operates a client computer, ~~which is connected to a monitor~~ being connected to the client computer for displaying ~~various kinds of screens~~, and ~~to~~—a communication control unit being connected to the client computer for

transmitting/receiving data to/from a host computer, said emulator comprising emulation program causing the client computer to perform the steps of:

detecting a coordinate at which a predetermined first attribute is set from coordinates, characters and attributes in CUIcharacter user interface (CUI) screen data generated in said host computer when said communication control unit receives CUI screen data from said host computer;

generating GUIgraphical user interface (GUI) screen data in which GUI parts corresponding to said first attribute are set at respective coordinates following the detected coordinate;

correcting said GUI screen data in response with reference to the coordinate at which said first attribute is set; and

displaying a screen based on the corrected GUI screen data on said monitor.

10. (Currently Amended) A computer-readable medium that contains a host terminal emulator emulation program that operates a client computer, which is connected to a monitor being connected to the client computer for displaying various kinds of screens and toa communication control unit being connected to the client computer for transmitting/receiving data to/from a host computer, said emulator comprising emulation program causing the client computer to perform the steps of:

detecting a coordinate at which a predetermined first attribute is set from coordinates, characters and attributes in CUI~~character user interface (CUI)~~ screen data generated in said host computer when said communication control unit receives CUI screen data from said host computer;

generating GUI~~graphical user interface (GUI)~~ screen data in which GUI parts corresponding to said first attribute are set at respective coordinates following the coordinate at which said first attribute is set;

detecting a coordinate at which a second attribute corresponding to said first attribute is set from coordinates in said CUI screen data;

correcting the GUI screen data ~~in response with reference to~~ to the coordinate at which said second attribute is set when a coordinate at which said second attribute is detected; and

displaying a screen based on the corrected GUI screen data on said monitor.

11. (Currently Amended) A computer-readable medium that contains a host terminal ~~emulator emulation program~~ that operates a client computer, ~~which is connected to a monitor being connected to the client computer for displaying various kinds of screens, and to a communication control unit being connected to the client computer for transmitting/receiving data to/from a host computer, said emulator comprising emulation program causing the client computer to perform the steps of:~~

detecting a coordinate at which a predetermined first attribute is set from coordinates, characters and attributes in CUIcharacter user interface (CUI) screen data generated in said host computer when said communication control unit receives CUI screen data from said host computer;

generating GUIgraphical user interface (GUI) screen data in which GUI parts corresponding to said first attribute are set at respective coordinates following the detected coordinate;

detecting a coordinate at which a second attribute corresponding to said first attribute is set from coordinates in said CUI screen data;

correcting the GUI screen data to transform said GUI parts when a coordinate at which said second attribute is not detected; and

displaying a screen based on the corrected GUI screen data on said monitor.